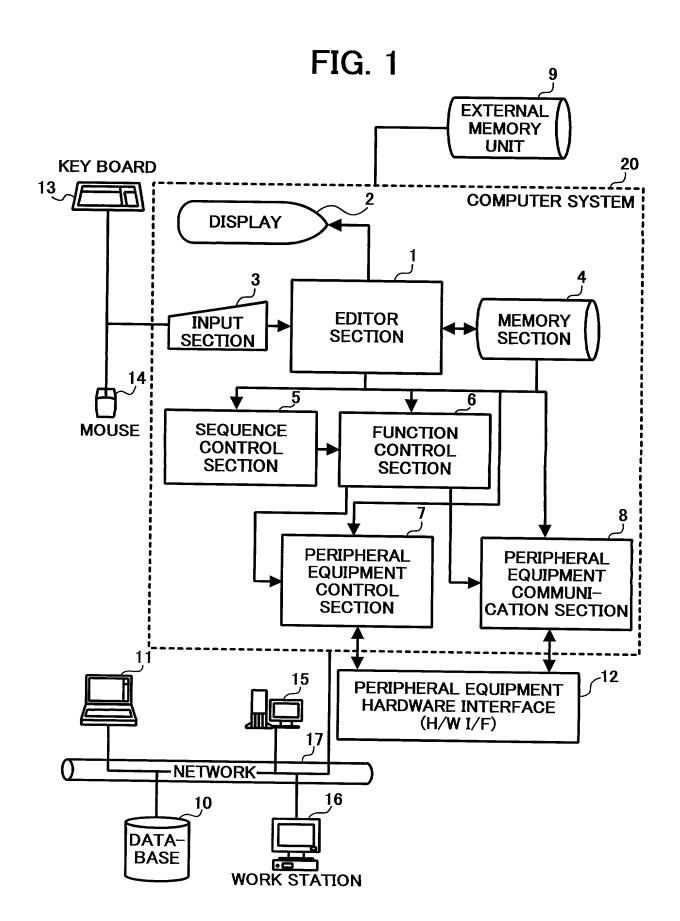
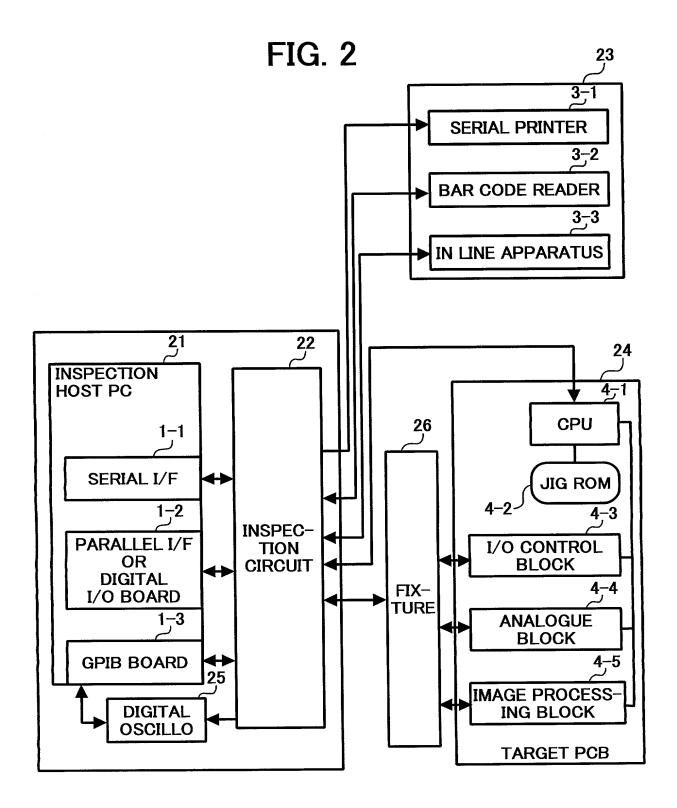
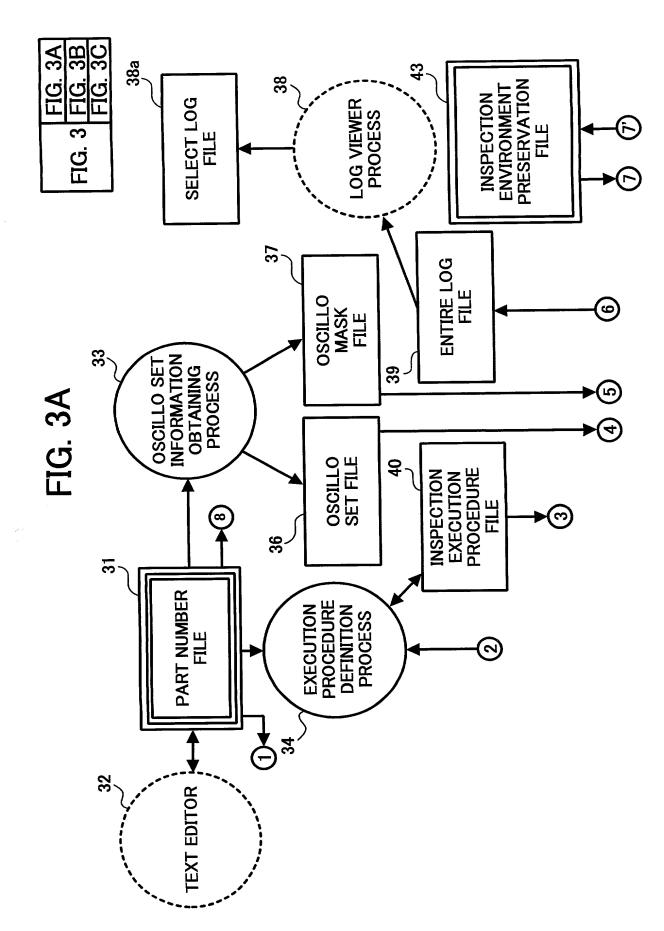
OBLON, SPIVAK, ET AL DOCKET #: 217205US2
INV: Akio WATANABE, et al. SHEET\_1\_ OF\_87\_



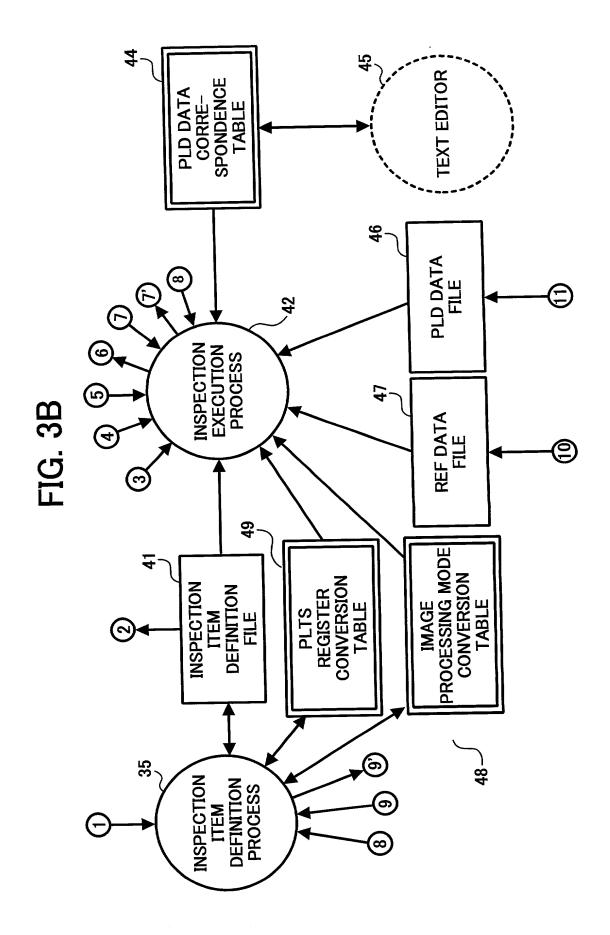
SHEET <u>2</u> OF <u>87</u>



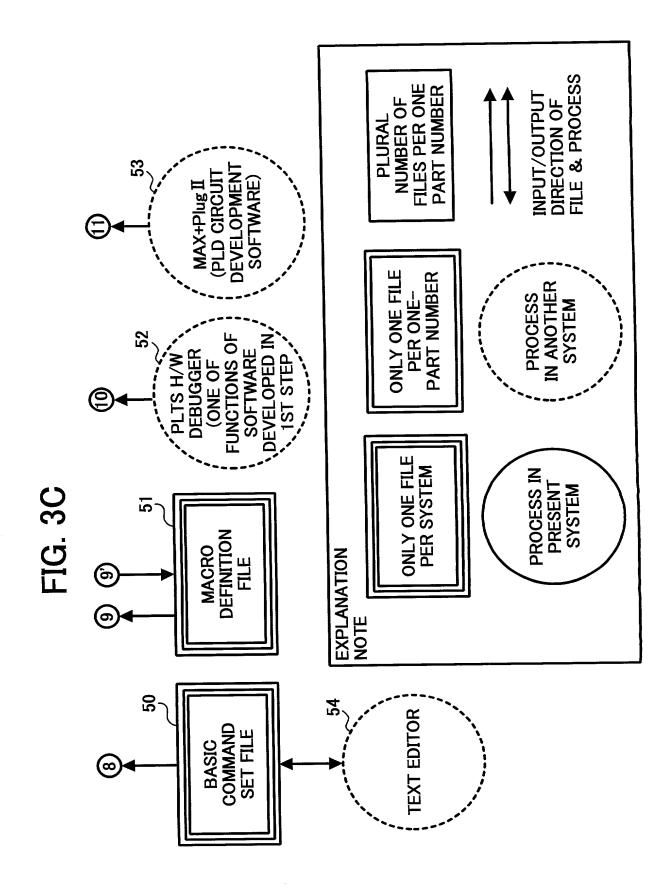
SHEET 3 OF 87



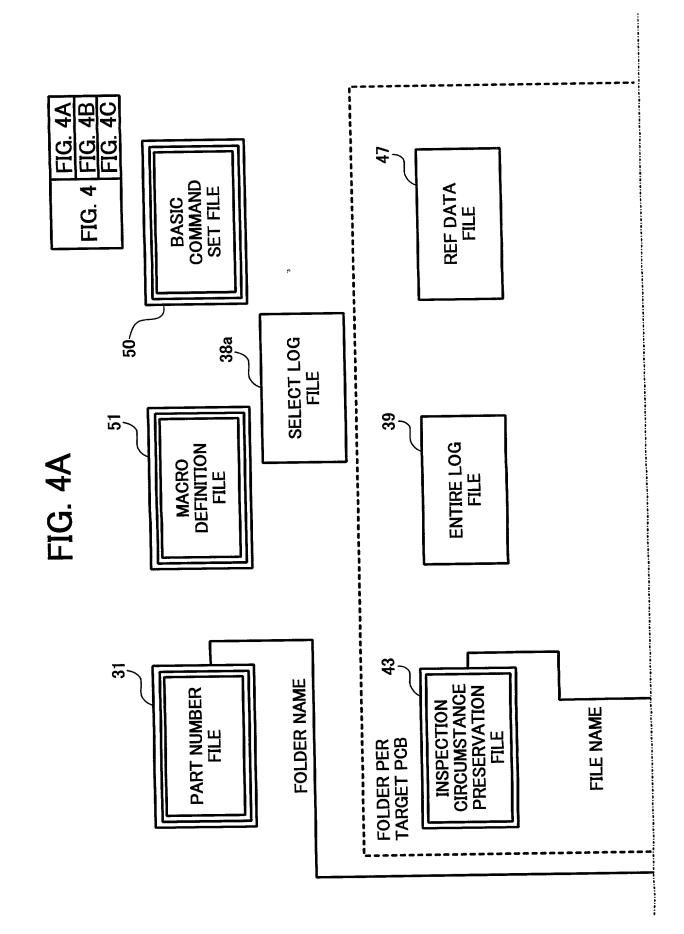
OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET 4\_OF\_87\_



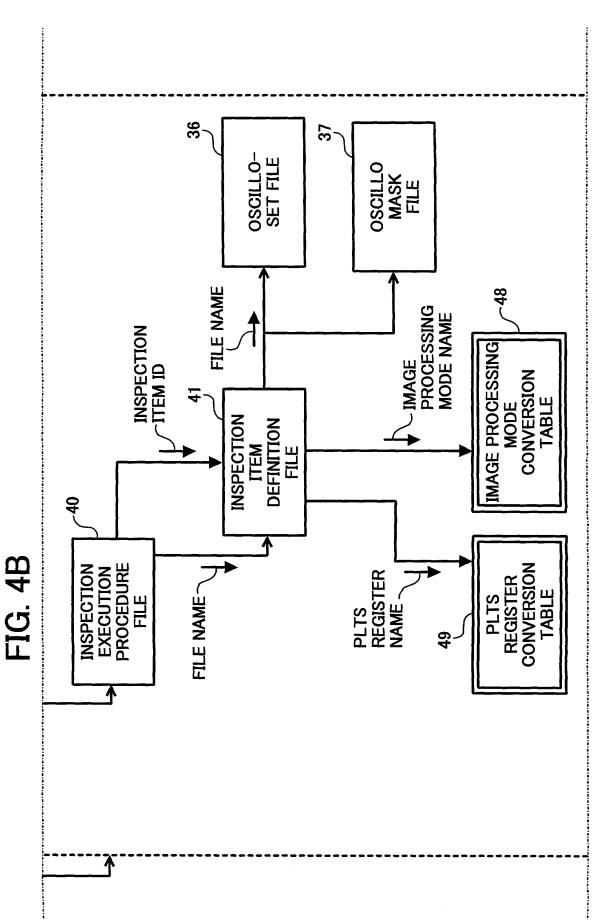
SHEET <u>5</u> OF <u>87</u>



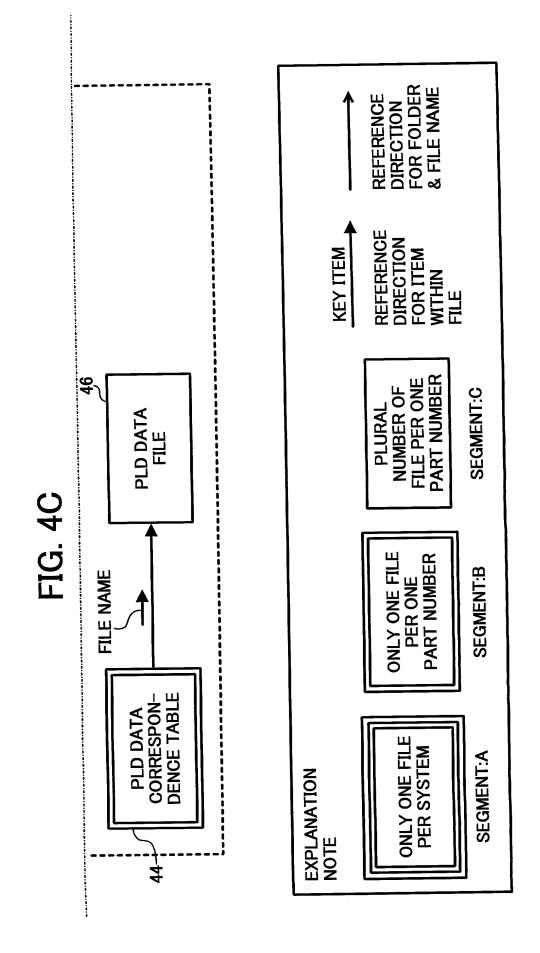
OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET 6\_OF\_87\_



SHEET <u>7</u> OF <u>87</u>



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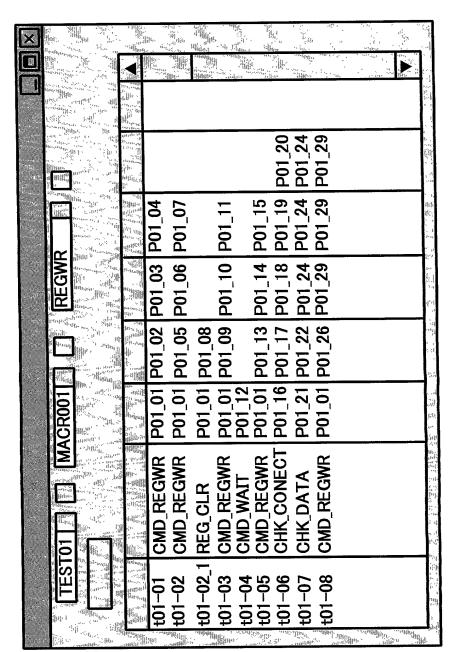


OBLON, SPIVAK, ET AL DOCKET #: 217205US2

INV: Akio WATANABE, et al.

SHEET <u>9</u> OF <u>87</u>

FIG. 5



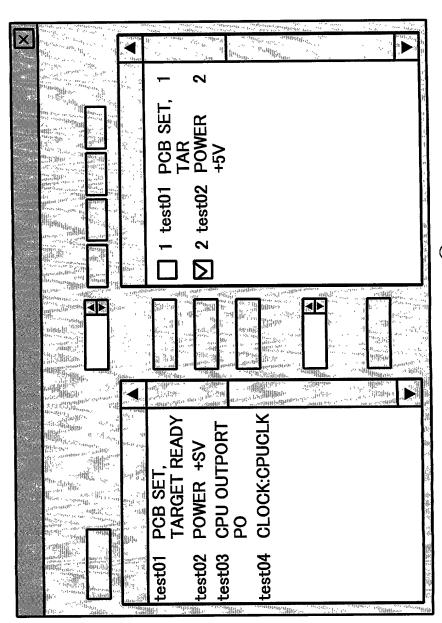
EXAMPLE: EDITOR SECTION GUI ①

OBLON, SPIVAK, ET AL DOCKET #: 217205US2

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FIG. 6



EXAMPLE: EDITOR SECTION GUI (2)

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FIG. 7

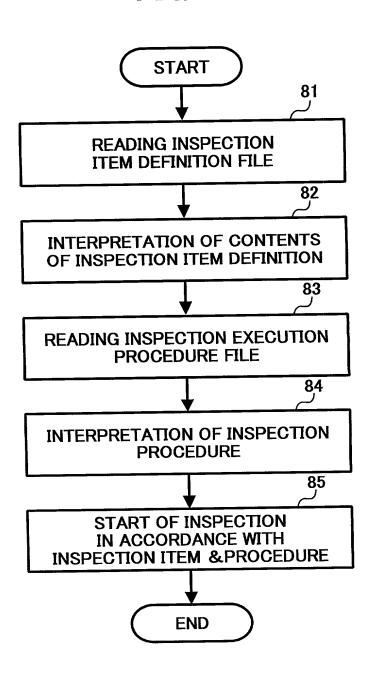
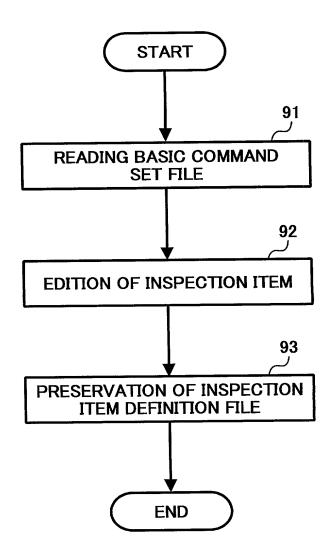
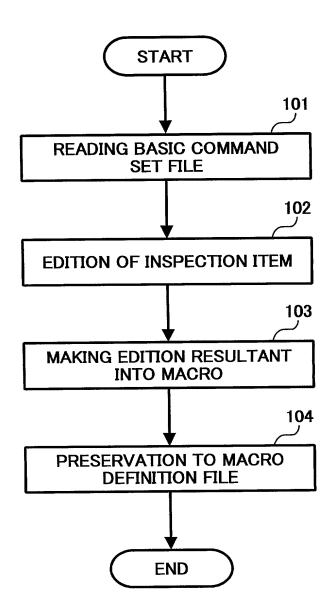


FIG. 8



OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET 13\_OF\_87\_

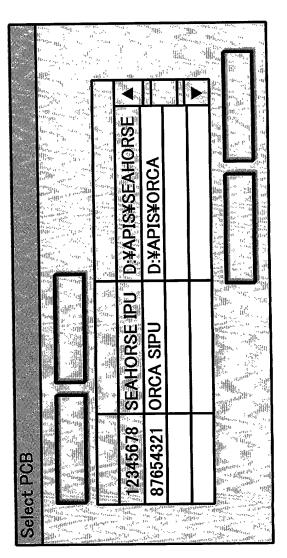
FIG. 9



OBLON, SPIVAK, ET AL DOCKET #: 217205US2

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FIG. 10



EXAMPLE: PART NUMBER SELECTION GUI

The first test tests the first tests that the first tests the And the state of t OBLON, SPIVAK, ET AL DOCKET #: 217205US2

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## FIG. 11A

即	2
-	
FIG	FIG
_	
FIG.	
	11 FIG. 11

	ITEM NAME	MODEL	BYTE NUMBER	REMARKS
里	HEADER SECTION			
	FILE ID	BYTE[]	23	"BASIC COMMAND SET@HANKS"
	SEGMENTATION CHARACTER	BYTE	1	0x02C(',')
	VERSION	BYTE[]	8	"V01.00"
	SEGMENTATION CHARACTER	BYTE[]	7	0x0D,0x0A
	COMMAND NUMBER	BYTE[]	3	001~999
	SEGMENTATION	BYTE[]	2	0x0D,0x0A
	SEGMENTATION	BYTE[]	2	0x0D,0x0A
	INTERMEDIATE TOTAL		41	
Ď	DATA SECTION			
	BASIC COMMAND			
	INTERMEDIATE TOTAL			
F	TOTAL			

**EXAMPLE: BASIC COMMAND FILE FORMAT** 

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COMPARTMENTALIZED BY [','] WHEN COMMANDS & PARAMETERS ARE

**PARAMETER 2** 

PARAMETER 1

COMMAND

BASIC COMMAND FORMAT

P2(B)

P1(B)

COMMAND (A)

FIG. 11B

SEMI-COLON IS PUT AT BEGINNING, IT IS

TREATED AS COMMENTS.

FORMAT(b1:b2:b3:---) A:PARAMETER NUMBER INCLUDED IN COMMAND **B:PARAMETER INFORMATION** 

1:NUMERICAL VALUE b:1 PARAMETER TYPE

4:READ REGISTER NAME

7:INTERNAL TABLE REFERENCE 5:PROCESSING MODE NAME 8:OTHER SELECTION 9:ERROR MESSAGE

3:WRITE REGISTER NAME 6:FILE NAME 2:LETTER STRING

**b:2 MINIMUM VALUE** 

\* LETTER STRING NUMBER, WHEN b1=b2

\* FOLLOWING NUMERICAL VALUE ARE ENTERED WHEN B1=7 \* NOTHING EXISTS SUBSEQUENT TO 3

4:SERIAL SELECTION 1:CH1 2:CH2 3:EXT

\* ONE OF OPTIONS WHEN b1=8

\* GOLON(:) IS ENTERED BETWEEN b1 &b2 WHEN THIS PARAMETER DOES NOT EXIST

**b:3 MAXIMUM VALUE** 

\* NOTHING EXISTS AFTER b1=2

\* 8 IS ONE OF OPTIONS

EXAMPLE: BASIC COMMAND FILE FORMAT

OBLON, SPIVAK, ET AL DOCKET #: 217205US2

INV: Akio WATANABE, et al. SHEET <u>17</u> OF <u>87</u>

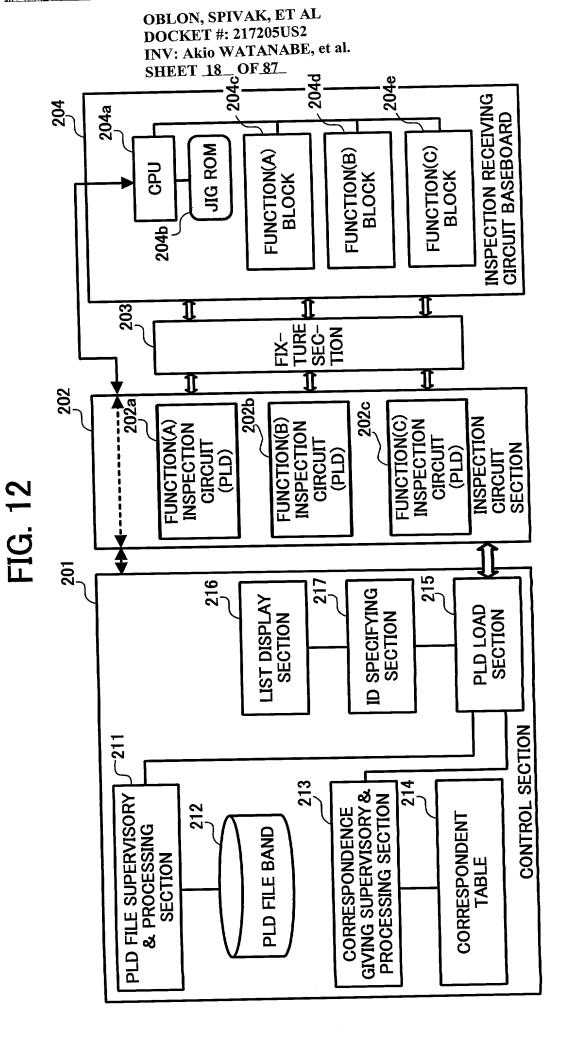
FIG. 11C

**USAGE EXAMPLE** 

COMMAND RESPONDING TEST ID TRANSMISSION TO TARGET T\_TESTID(3),testid(2:3),rwait(1:1:99999)

WRITE COMMAND TO PLTS P\_REGWR(3),wrname(3:),wrdt(1:0:255)

EXAMPLE: BASIC COMMAND FILE FORMAT



OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET 19\_ OF 87\_

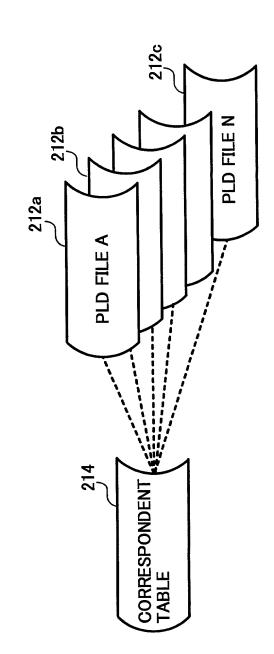
DRIVING APPARATUS OPTICAL DISC 227 CATION APPARATUS COMMUNI-22,4b INPUT/OUTPUT INTERFACE MEMORY MAIN FIG. 13 224c 223 MEMORY APPARATUS EXTERNAL SPU 222 DISPLAY APPARATUS **APPARATUS** INPUT

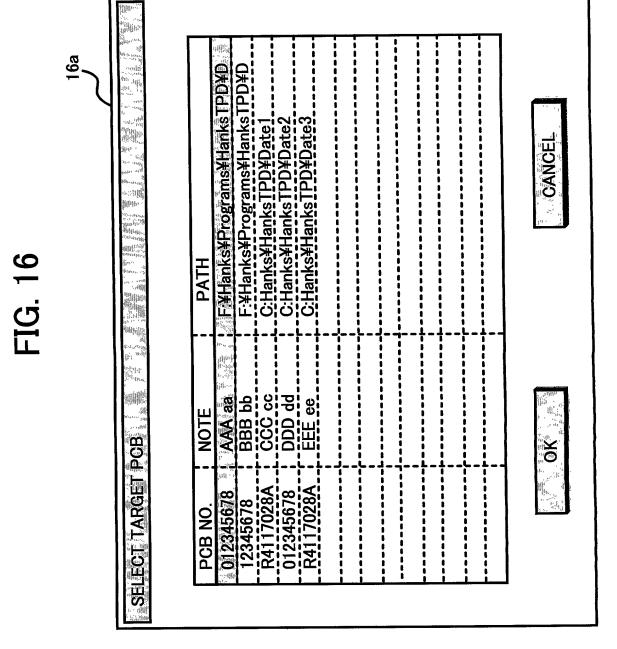
OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET <u>20</u> OF <u>87</u>

PLD(SRAM) TDO TCK STS CONF C-DON PLD ROAD SECTION PLD FILE

OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET 21\_ OF 87\_

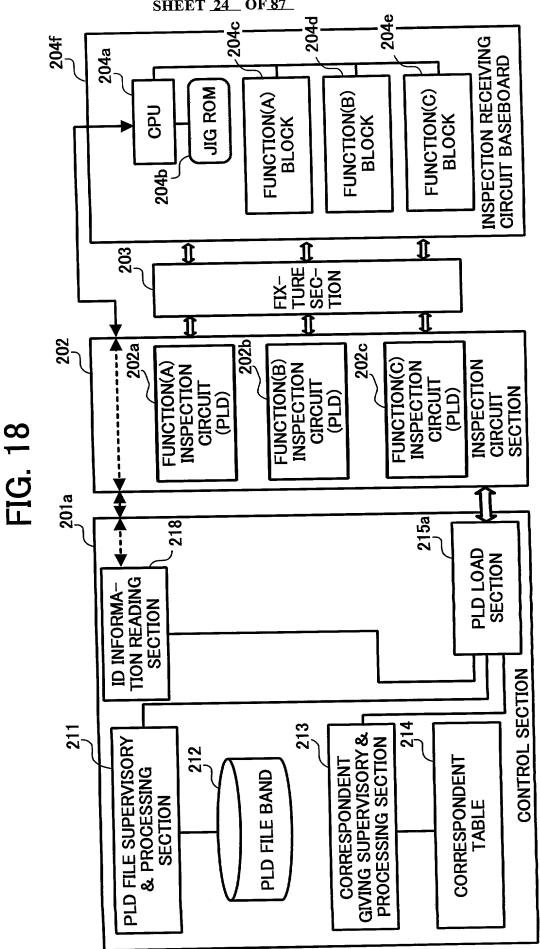
FIG. 15





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FIG. 17 **START** 601 LIST DISPLAY 602 NO PLD SELECTION? 603 YES **SPECIFYING** INSPECTION RECEIVING **CIRCUIT BASEBOARD** 604 **CORRESPONDENT TABLE REFERENCE & SPECIFYING** PLD FILE 605 PLD FILE LOAD 606 **INSPECTION START END** 

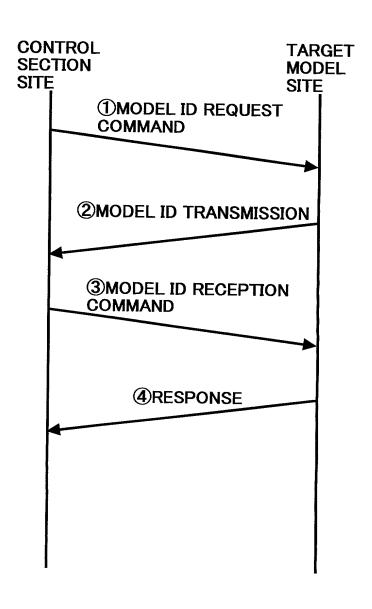


OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET 25\_OF\_87\_

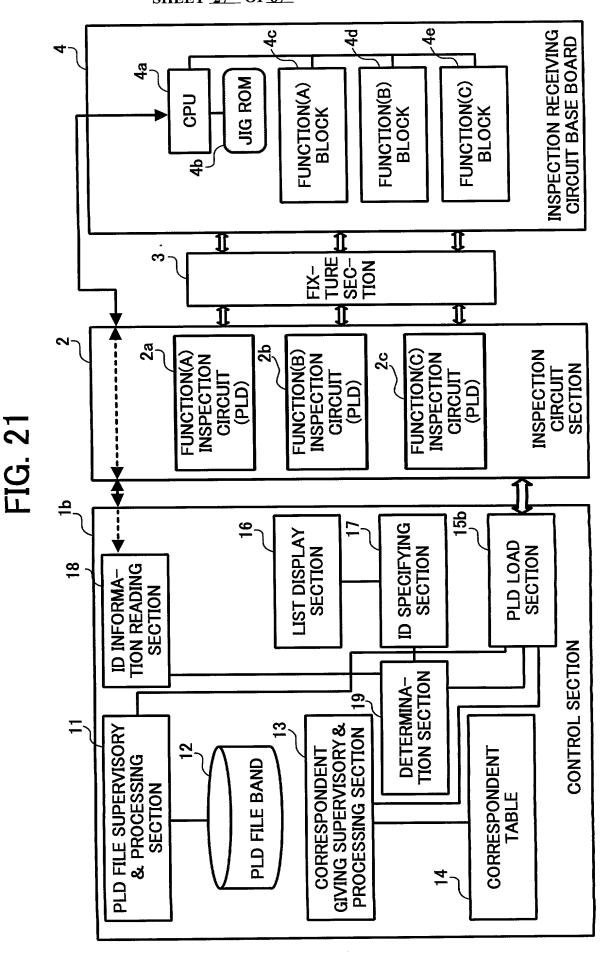
ID INFORMATION READING SECTION FIG. 19 INSPECTION RECEIVING CIRCUIT BASEBOARD GENERATION **CIRCUIT** CODE

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FIG. 20

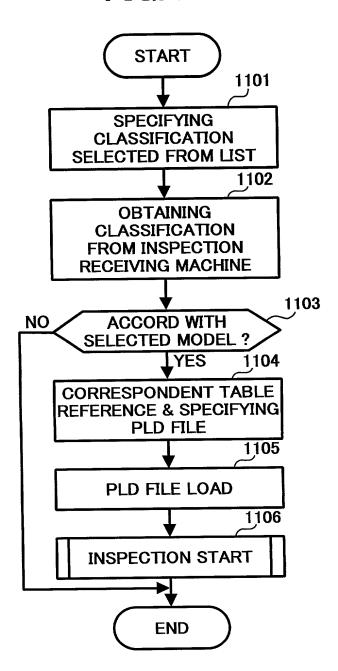


OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET 27\_ OF 87\_



OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET <u>28</u> OF <u>87</u>

FIG. 22



4 **4**d **INSPECTION RECEIVING** 4 **4**a CIRCUIT BASEBOARD JIG ROM FUNCTION(C) FUNCTION(A) FUNCTION(B) SPU BLOCK BLOCK BLOCK TURE SEC-NOIL **2**p FUNCTION(A) 20 **FUNCTION(B) FUNCTION(C)** INSPECTION INSPECTION INSPECTION INSPECTION CIRCUIT CIRCUIT CIRCUIT CIRCUIT SECTION (PLD) (PLD) (PLD) FIG. 23 15c 3 PLAY SECTION 32 ITEM LIST DIS-INSPECTION SPECIFYING PLD LOAD PLD FILE SECTION SECTION 8 **TION READING** ID INFORMA-SECTION CONTROL SECTION PLD FILE SUPERVISORY GIVING SUPERVISORY & PROCESSING SECTION CORRESPONDENT CORRESPONDENT & PROCESSING PLD FILE BAND SECTION TABLE

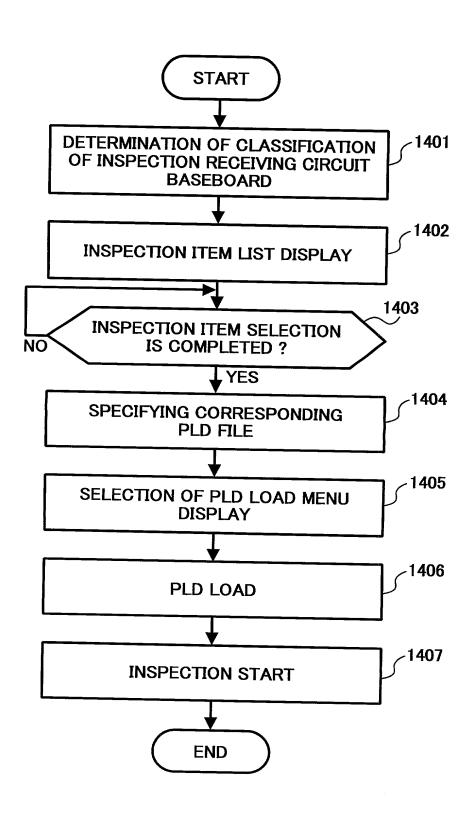
OBLON, SPIVAK, ET AL DOCKET #: 217205U2 INV: Akio WATANABE, et al. SHEET \_30\_ OF\_87\_

FIG. 24

		31b	
PLD LOAD			
LWVIN	rSUB		
□ PLD_TAL		CHECK ALL	
☐ MPLD1	☐ SPLD1		
☐ MPLD2	☐ SPLD2		
☐ MPLD3	☐ SPLD3		
☐ MPLD4	☐ SPLD4		
☐ MPLD5	☐ SPLD5		
☐ MPLD6	☐ SPLD6		
☐ MPLD7	☐ SPLD7		
☐ MPLD8	☐ SPLD8		
☐ MPLD9	☐ SPLD9		
☐ MPLD10			
☐ MPLD11			
☐ MPLD12			
☐ MPLD13		START(F5)	
		CLOSE	

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FIG. 25



=

OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al.

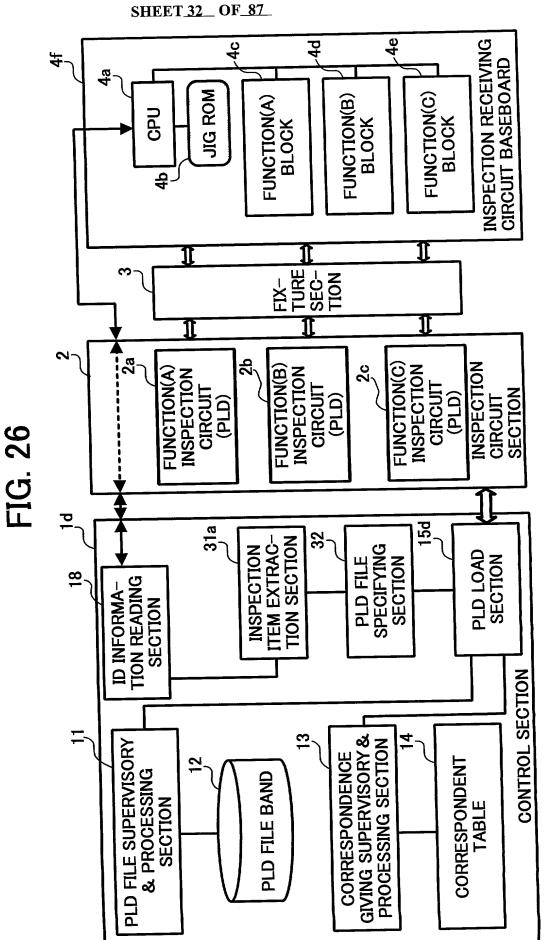
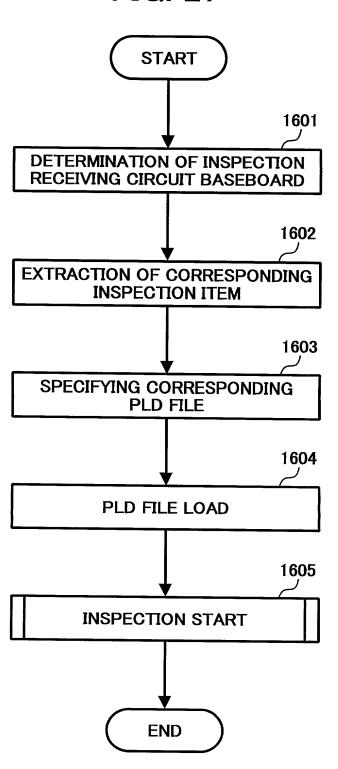
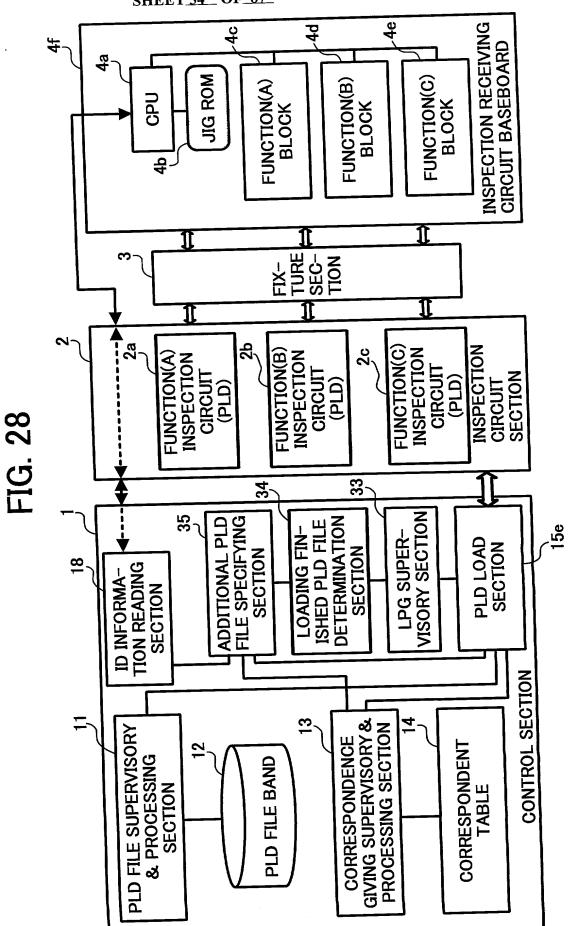


FIG. 27

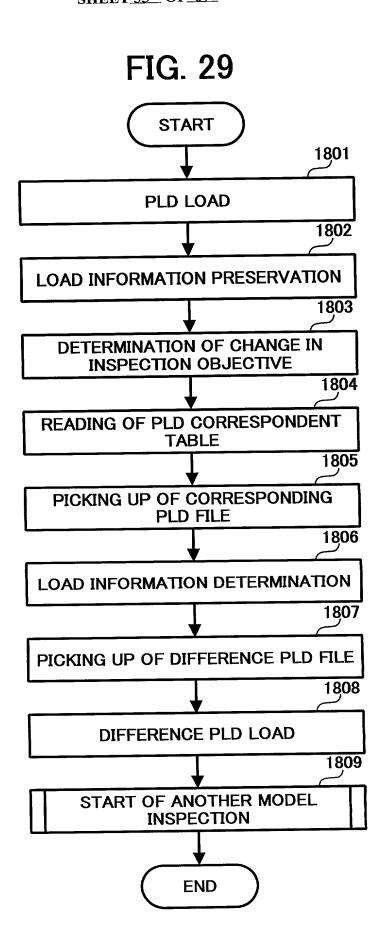


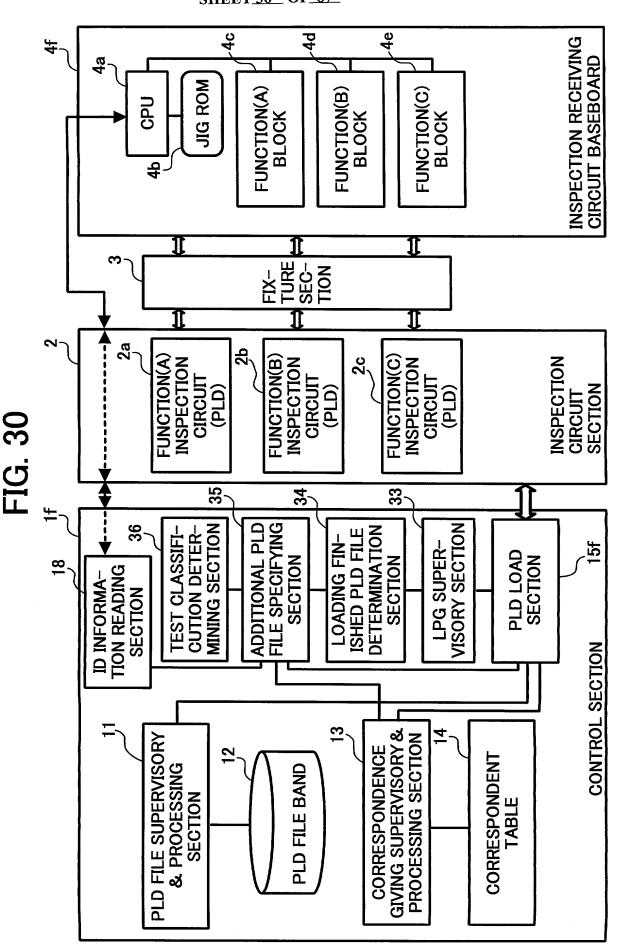
the action control colliners and

OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET 34\_ OF\_87\_



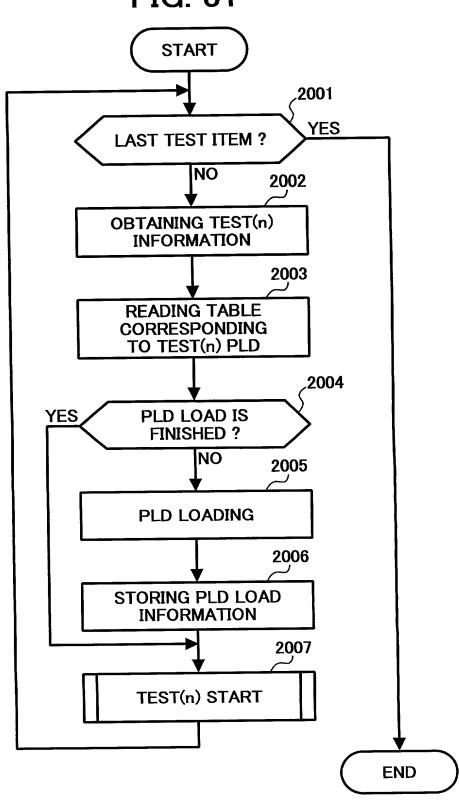
OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET 35\_ OF 87\_



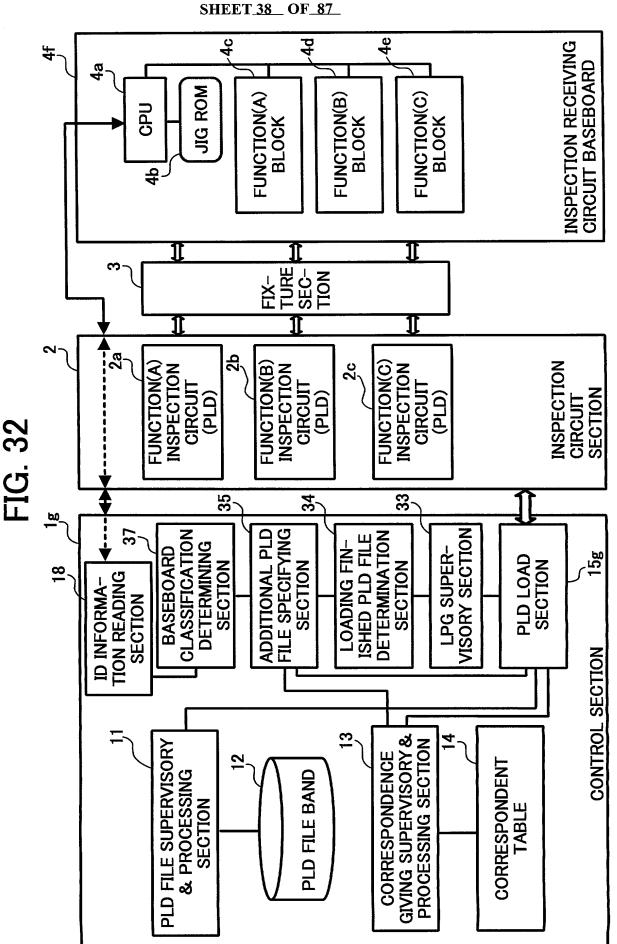


OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET\_37\_ OF\_87\_

FIG. 31

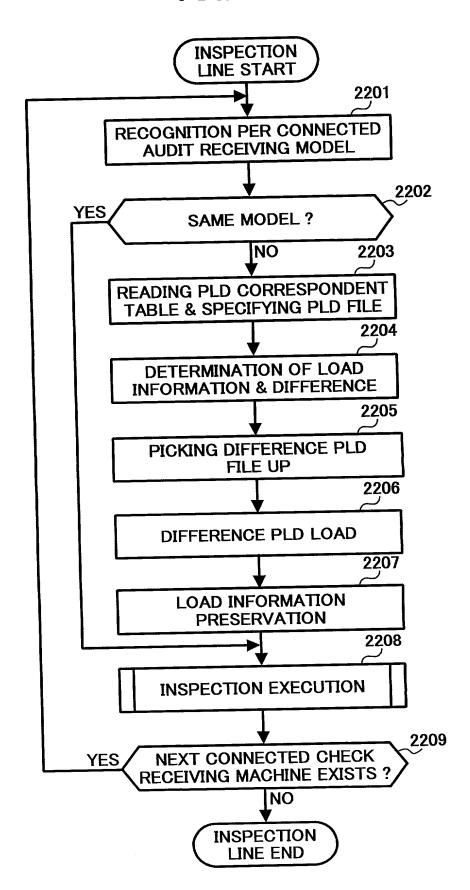


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**FIG. 33** 



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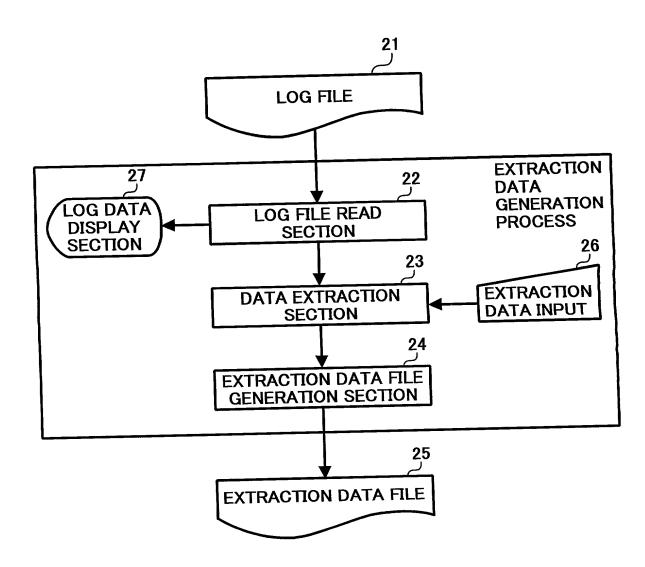
FIG. 34 START 2701 **OBJECTIVE MODEL FOLDER SELECTION** 2702 PLD DATA CORRESPONDENT **TABLE READING** 2703 PLD LOAD MENU DISPLAY 2704 PLD LOAD 2705 **INSPECTION START** 

**END** 

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FIG. 35

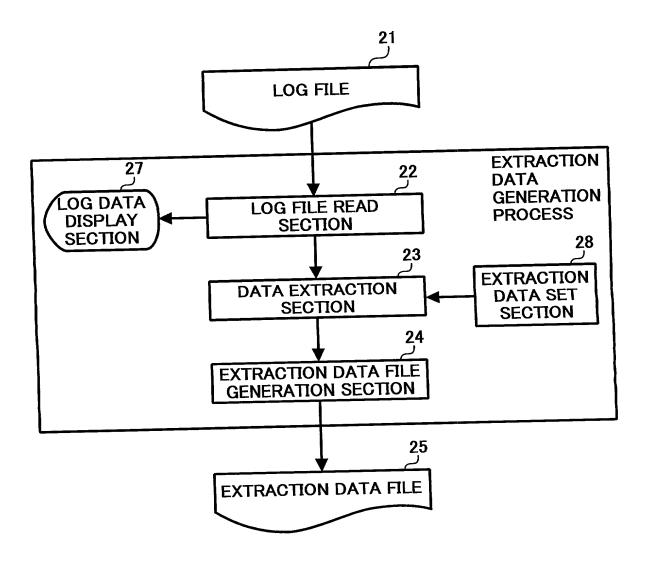


OBLON, SPIVAK, ET AL DOCKET #: 217205US2

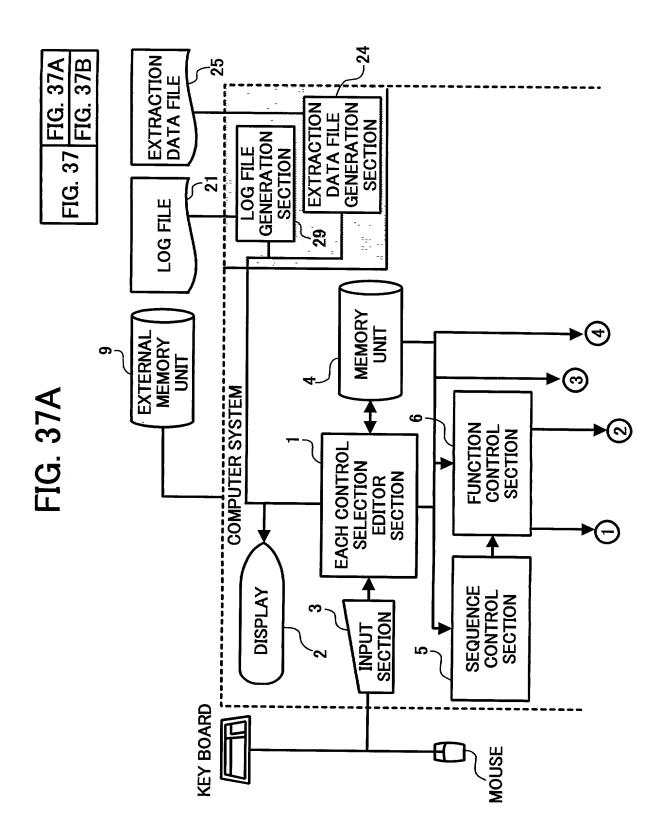
INV: Akio WATANABE, et al.

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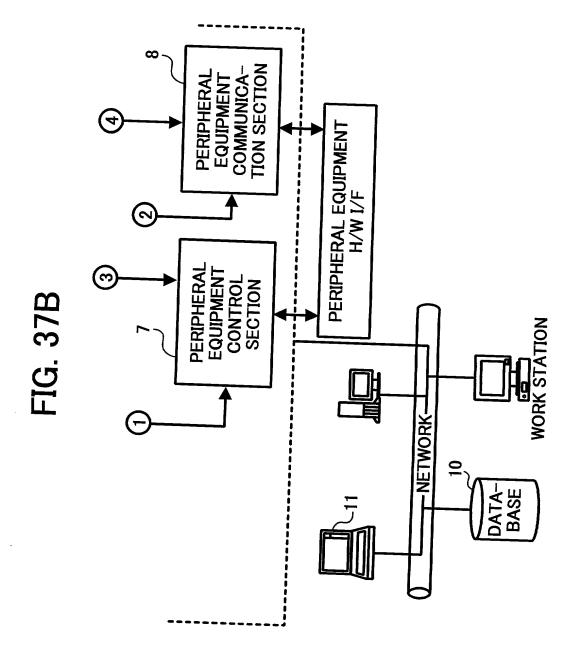
FIG. 36



OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET 43\_OF\_87\_

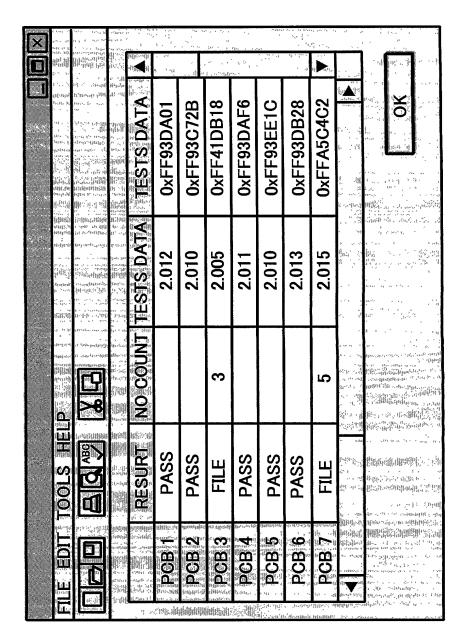


OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET 44\_ OF\_87\_



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FIG. 38



OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET 46\_ OF\_87\_

> SELECTION OF COLUMN HAVING EXTRACTION INFOR-MATION BY CLICKING MOUSE

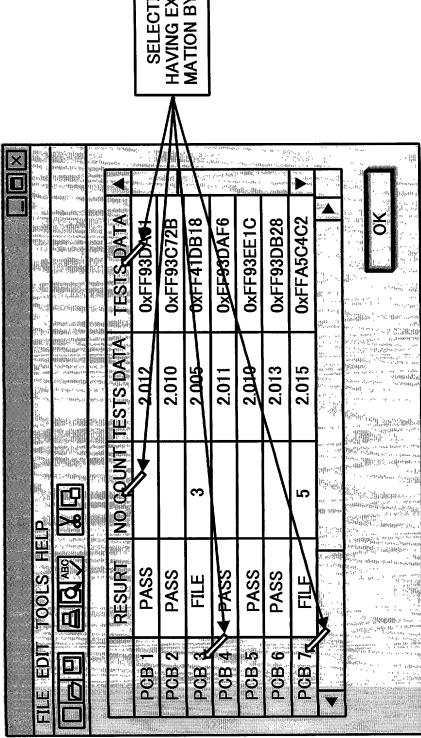


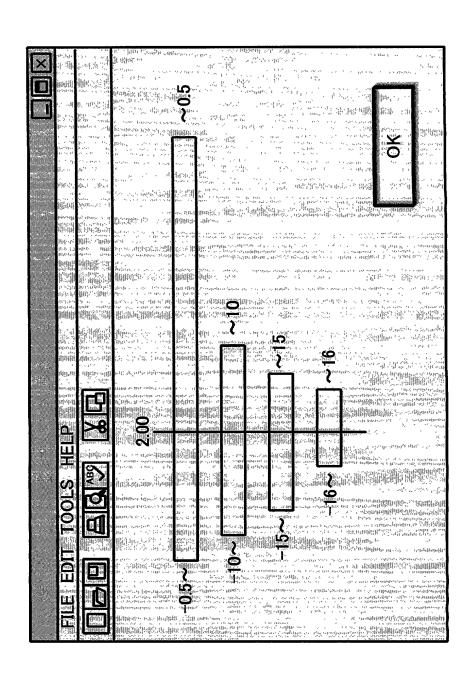
FIG. 39

OBLON, SPIVAK, ET AL **DOCKET #: 217205US2** INV: Akio WATANABE, et al. SHEET <u>47</u> OF <u>87</u>

A THE STREET STATES PASS CALL STATE OF THE PASS OF Sold etc. Laketeer t Sold etc. Laketeer t 0 ati attalihi TOOLS 

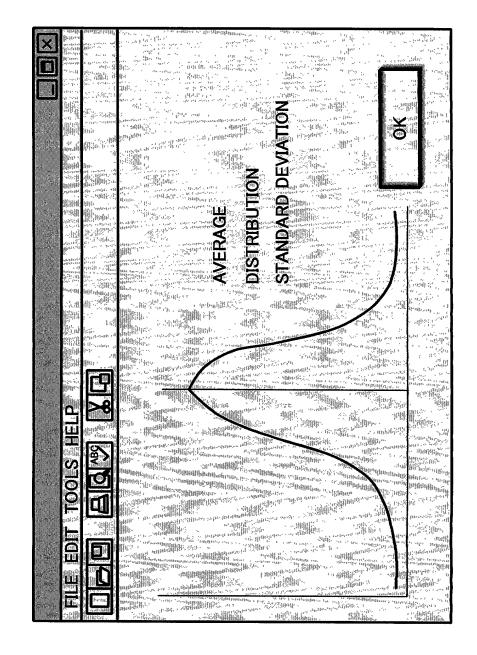
OBLON, SPIVAK, ET AL **DOCKET #: 217205US2** INV: Akio WATANABE, et al.

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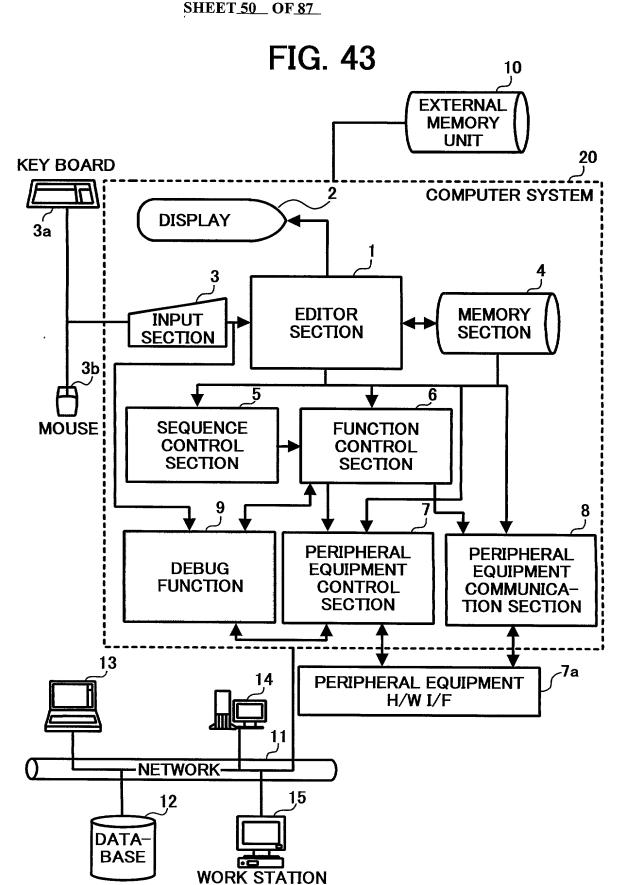


OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET 49 OF 87

FIG. 42

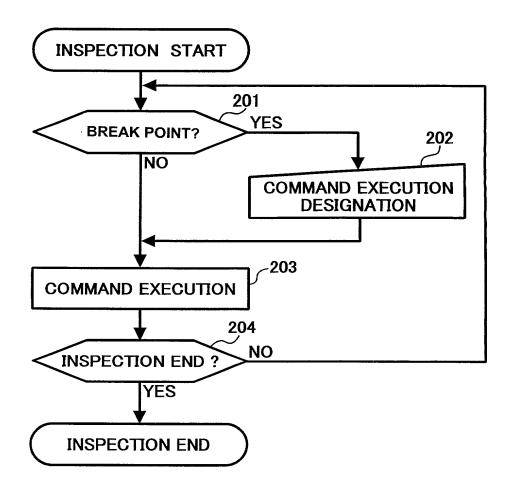


OBLON, SPIVAK, ET AL DOCKET #: 217205US2
INV: Akio WATANABE, et al.



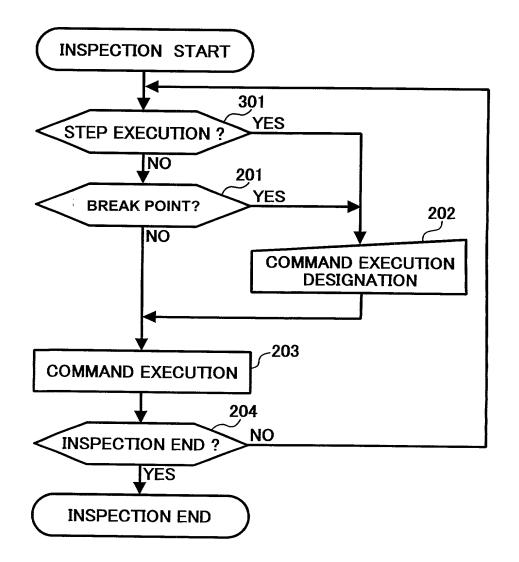
OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET\_51\_ OF\_87\_

FIG. 44



OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET \_52\_ OF\_87\_

FIG. 45

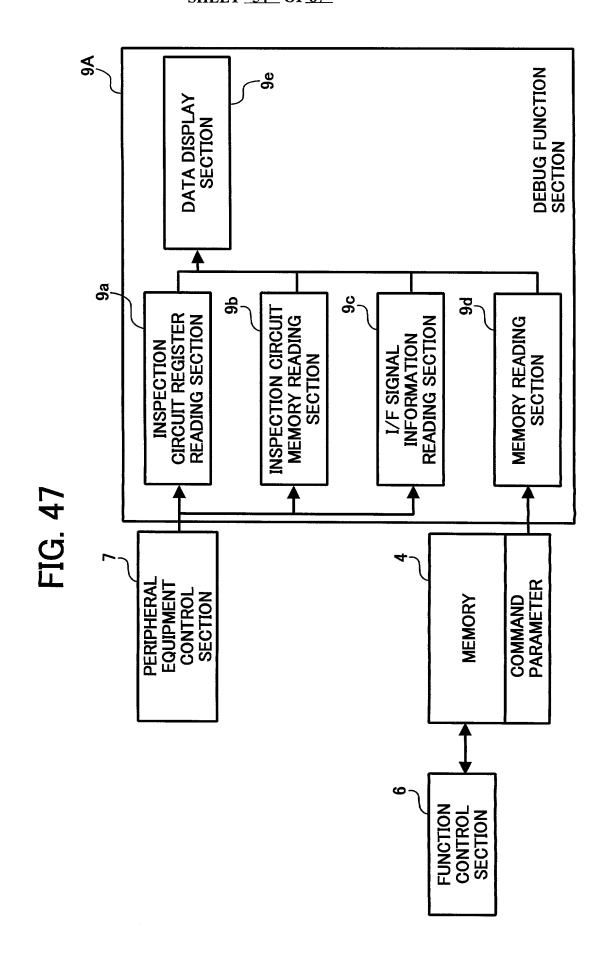


OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al.

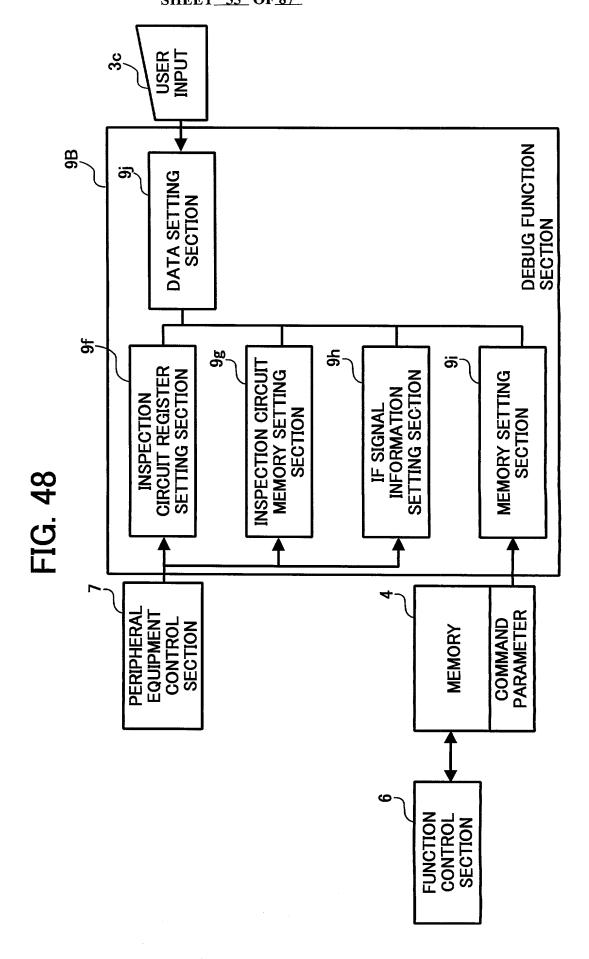
SHEET <u>53</u> OF <u>87</u>

		200		ga.			
		no statu		. , ' .	that co		<b>&gt;</b>
Harrison Market Company of the Compa	ř _	04 14 01 00 14 01 6D E8 FF FF 32 57 18 9C 0F 0A FA 89 3E C9 20	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	75 2C	00 00	5A 16	F2
SELECTION OF THE SELECT	표 CD A1 S6	1C 0D 0 1C 0D 0 00 1E 6 DB FF F 84 25 1 BC 1A 0 D2 FF 3	38 FB	干 09	¥ 00 ;	4E 2C	<b>4</b>
A say state of the		00 00 CC 00 00 00 FF FF FD 7A AF 33 DF 91 04 51 32 67	02 00 00 68 3F 62	FF 61	88	F9 1F	<b>09</b>
Mary and	8	00000005 000000006 000000007 000000008 000000009 000000009 000000009		3 00 2 3 3	00	DA 03	51
क्षां (द्वार कर	28 48 3F 30 28 0D 55 AA	2C 00 1A 01 E8 FF 32 57 9C 0F FA 89	D5 62 4B 82	30	7A 00	F1 79	33
Authorities of the second seco	CD A1	DD 3C 94 1C 0D 0A 00 1E 6D DB FF FF 84 25 18 BC 1A 0A D2 FF 3E	38 FB	0 5	31	88	21
Manager of the second of the s	83 24 24 24 25	0 00 CC 0 00 CC 0 00 00 F FF FD A AF 33 F 91 04	3F	6 G	F1 00	2 6	F0
Management of the state of the	82828	00000004 01 000000005 00 000000007 FF 000000008 7A 00000009 DF	0000000B 02 0000000C 68				
Highware of the control of the contr	The second secon	Secretary Company (Secretary Com	88 S	of the second se	A MARINE AND A STATE OF THE STA		
	MODEL A PROCESS INSPECTION  INSPECTION 1	COMMAND 2 COMMAND 3 COMMAND 4 COMMAND 4 INSPECTION 2	INSPECTION 4 INSPECTION 5	INSPECTION 7	INSPECTION 8 INSPECTION 9	INSPECTION 10 INSPECTION 11	INSPECTION 12
	]MODEL A    		;	ž ž 0 □ ( • • • •		ž T T	

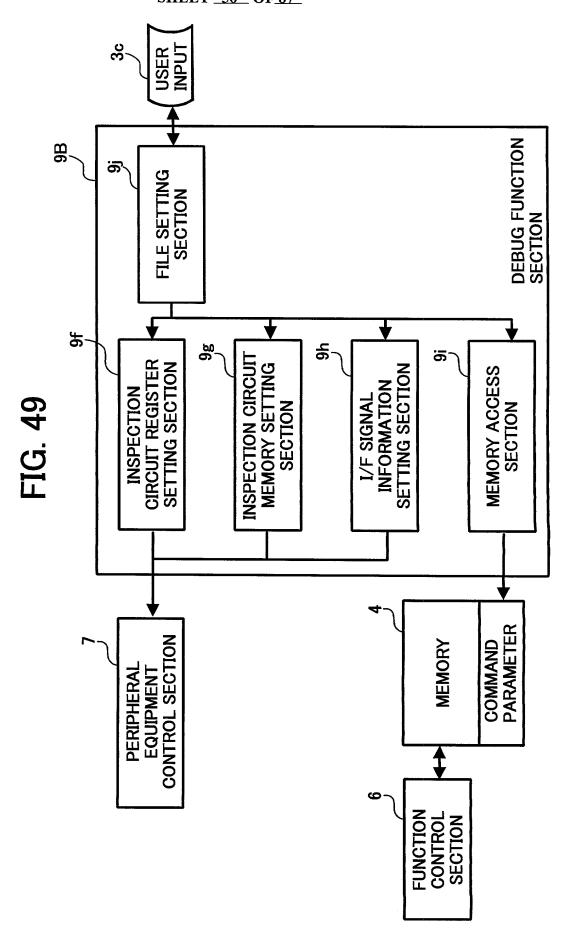
OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET <u>54</u> OF <u>87</u>



OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET\_55\_OF\_87\_

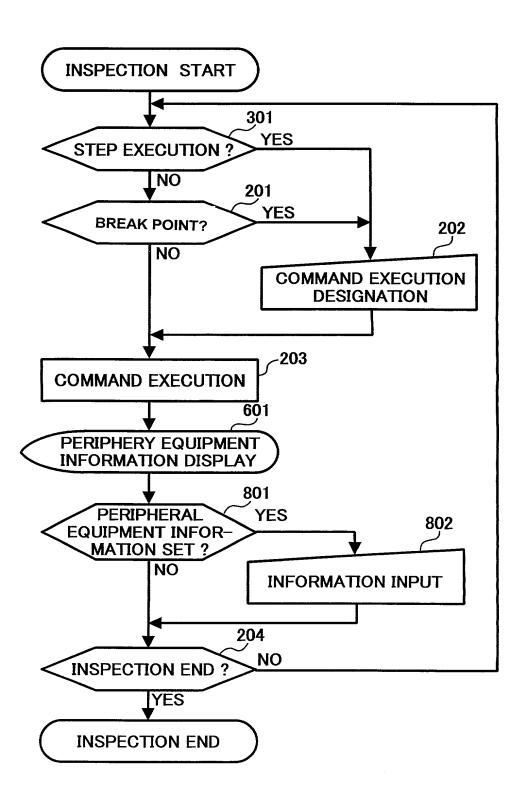


OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET <u>56</u> OF 87



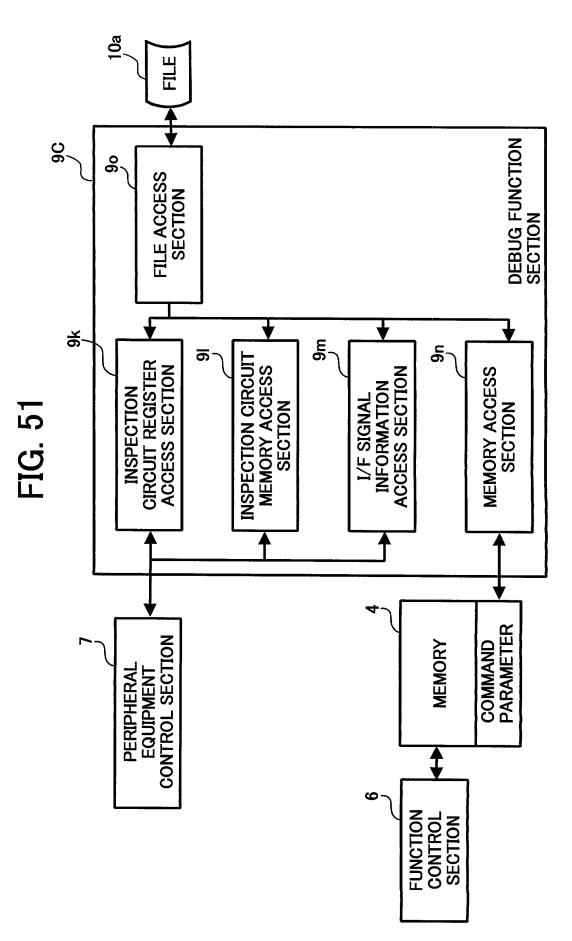
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FIG. 50



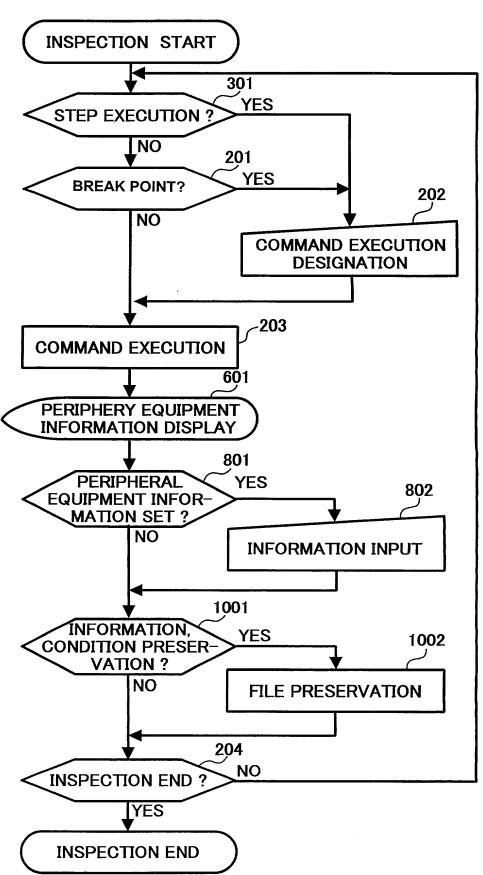
OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al.

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FIG. 52

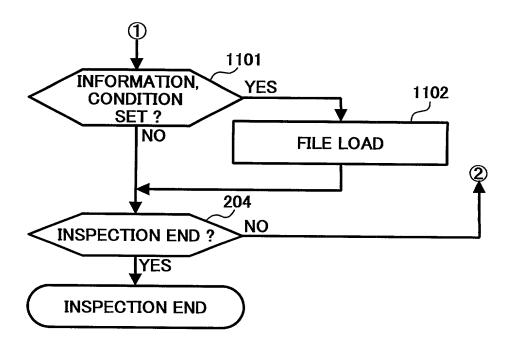


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**FIG. 53A INSPECTION START** 301 YES STEP EXECUTION? NO 201 YES **BREAK POINT?** 202 NO **COMMAND EXECUTION DESIGNATION** 203 **COMMAND EXECUTION** 601 PERIPHERY EQUIPMENT INFORMATION DISPLAY 801 PERIPHERAL YES 802 **EQUIPMENT INFOR-**MATION SET? NO **INFORMATION INPUT** 1001 INFORMATION, YES 1002 **CONDITION PRESER VATION?** NO FILE PRESERVATION

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FIG. 53B

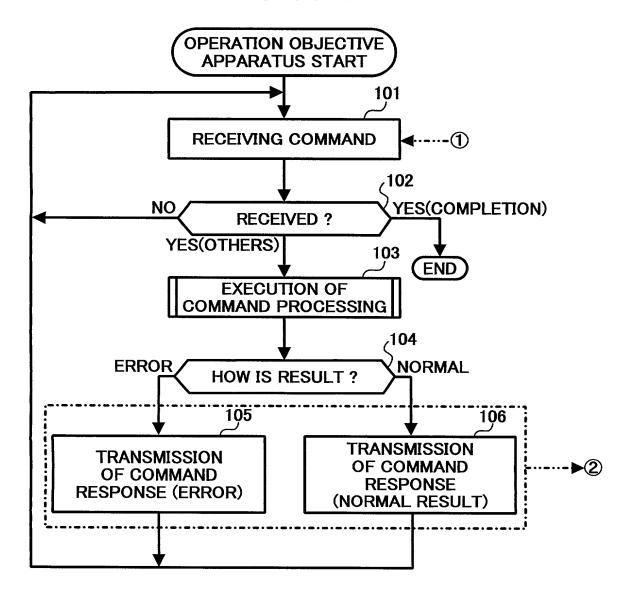


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20 22 CONTROLLING & PROCESSING APPARATUS (GUI SCREEN etc.) **UI SECTION** CONTROL 1/F SECTION 21 FIG. 54 1/F SECTION 2 OPERATION OBJECTIVE APPARATUS UI SECTION (OPERATION PANEL etc.) CONTROL SECTION EXTERNAL EQUIPMENT

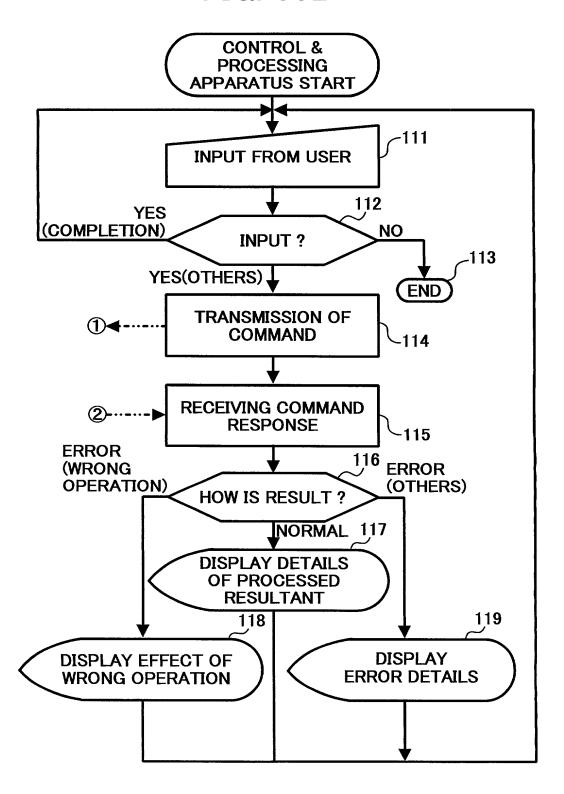
OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET 63 OF 87

**FIG. 55A** 



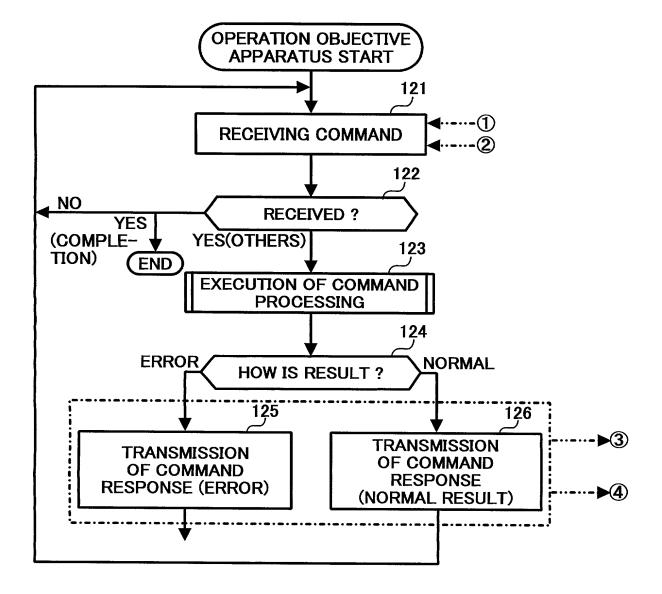
OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET\_64\_ OF\_87\_

FIG. 55B



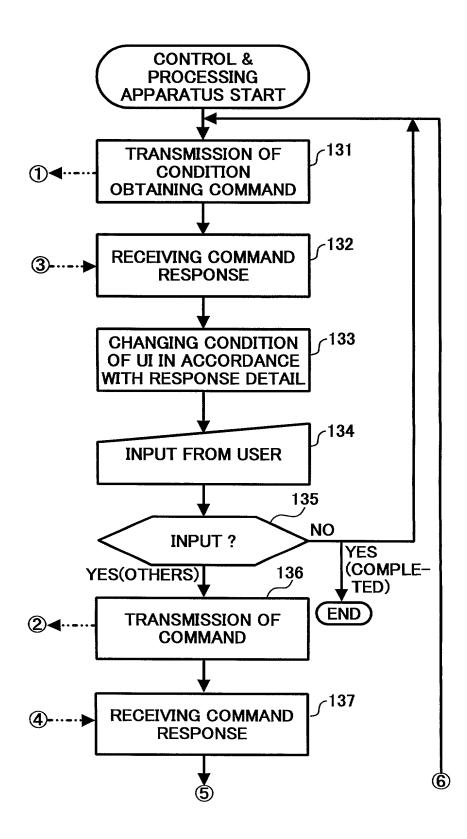
OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET\_65\_OF\_87\_

**FIG. 56A** 



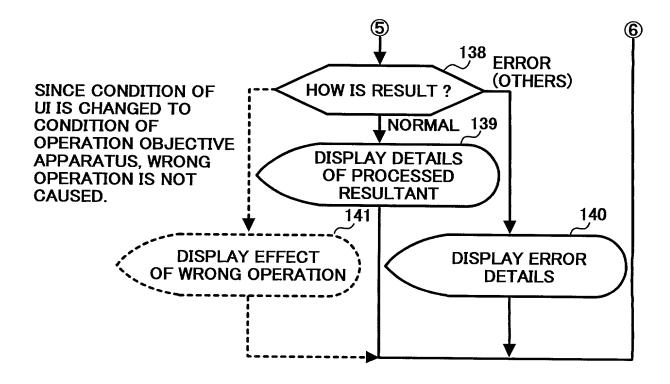
OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET\_66\_ OF\_87\_

FIG. 56B



OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET\_67\_ OF\_87\_

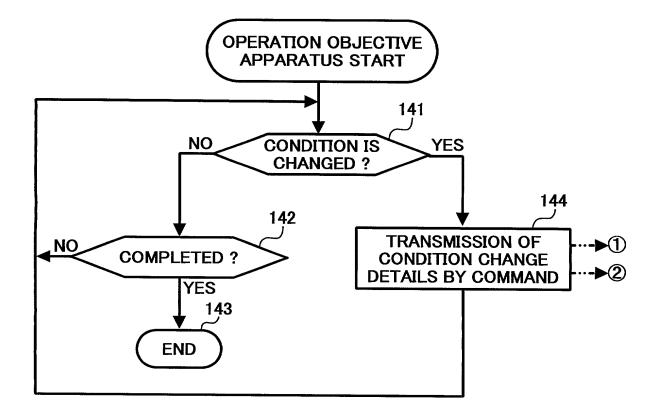
FIG. 56C



OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al.

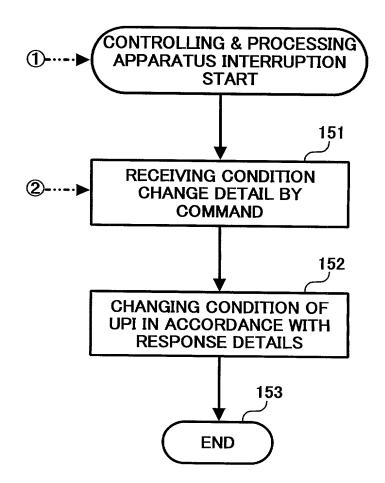
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**FIG. 57A** 



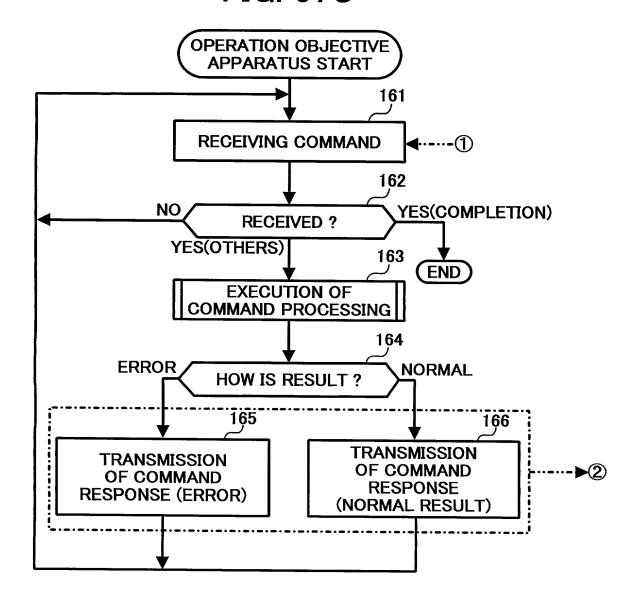
OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET 69 OF 87

FIG. 57B



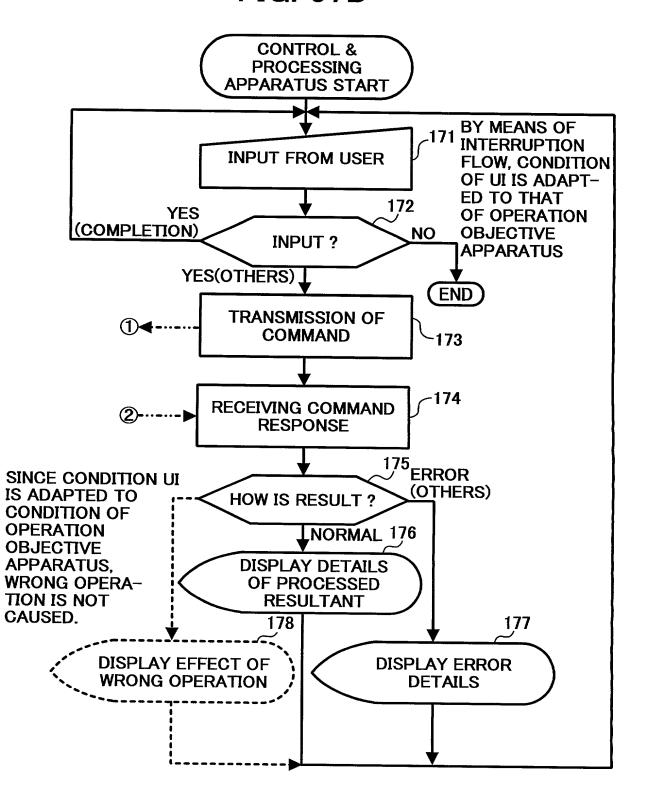
OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET 70\_OF\_87\_

FIG. 57C



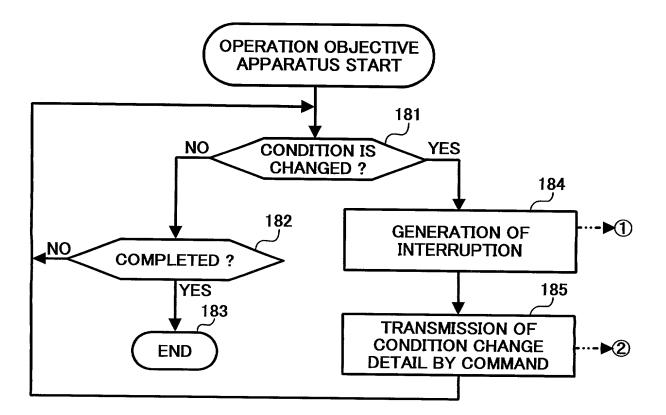
OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET 71\_ OF\_87\_

FIG. 57D



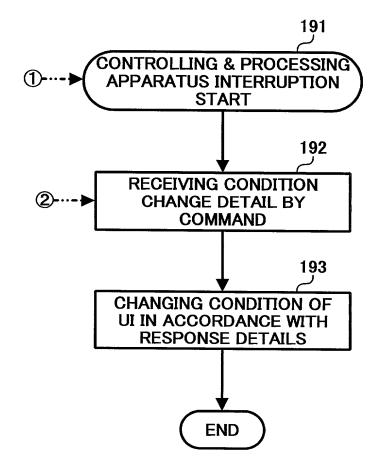
OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET 72\_OF\_87\_

FIG. 58A



OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET 73\_ OF\_87\_

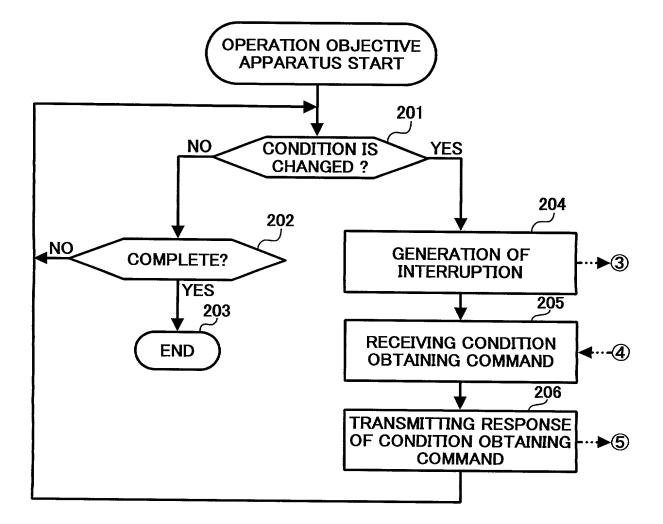
FIG. 58B



15

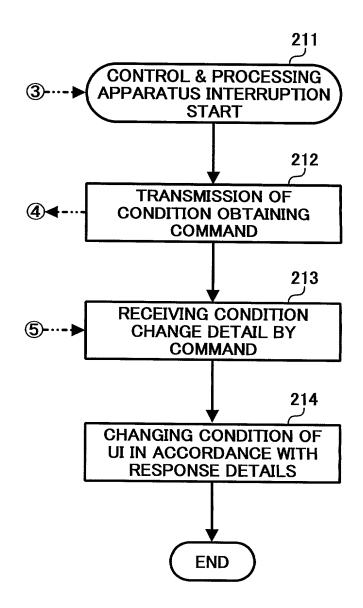
OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET 74\_ OF\_87\_

FIG. 58C



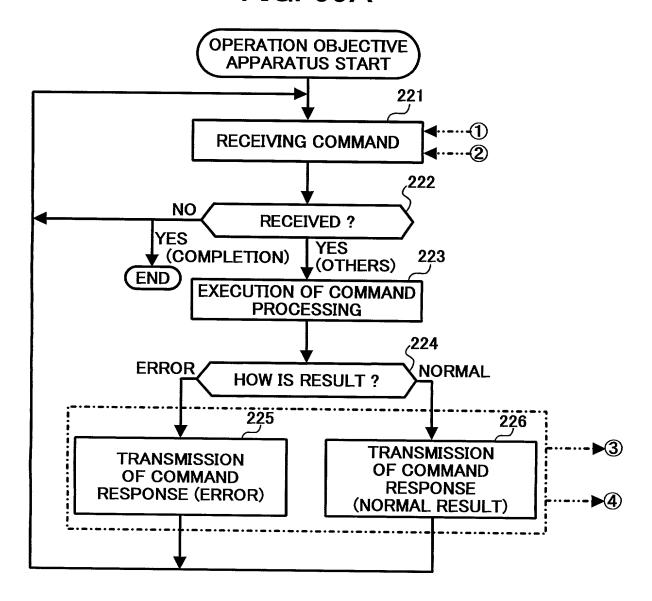
OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET \_75\_ OF\_87\_

**FIG. 58D** 



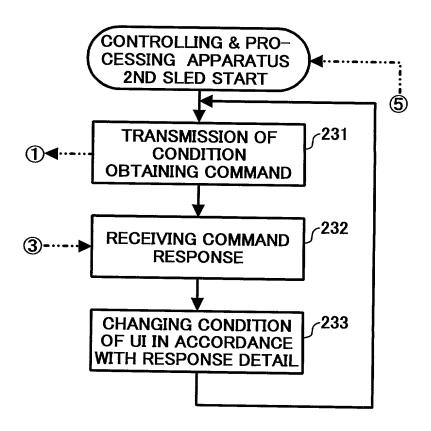
OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET 76\_ OF 87\_

FIG. 59A



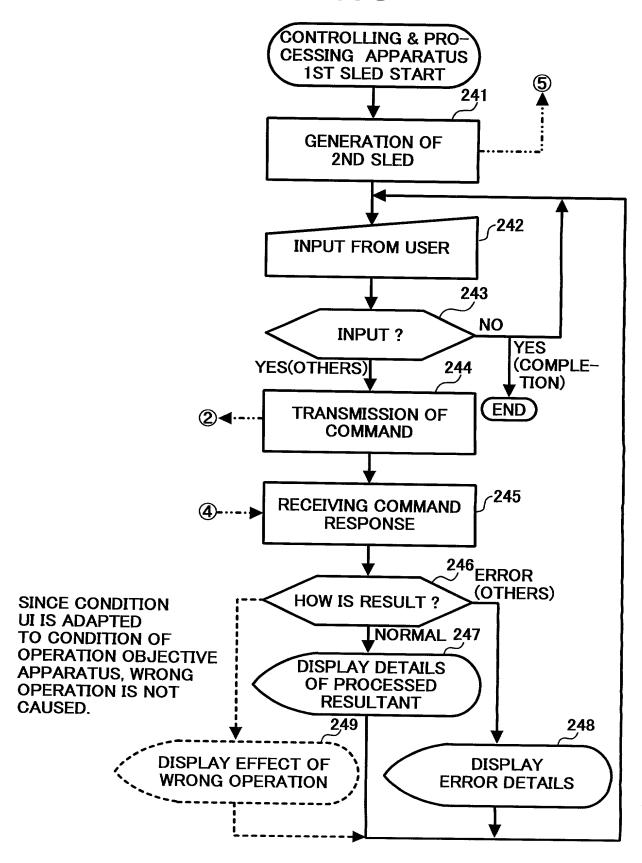
OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET\_77\_ OF\_87\_

FIG. 59B



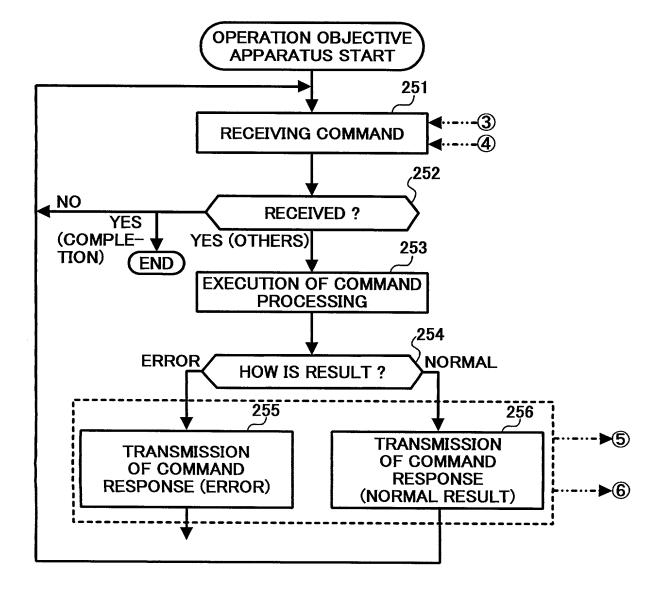
OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET 78\_ OF 87\_

FIG. 59C



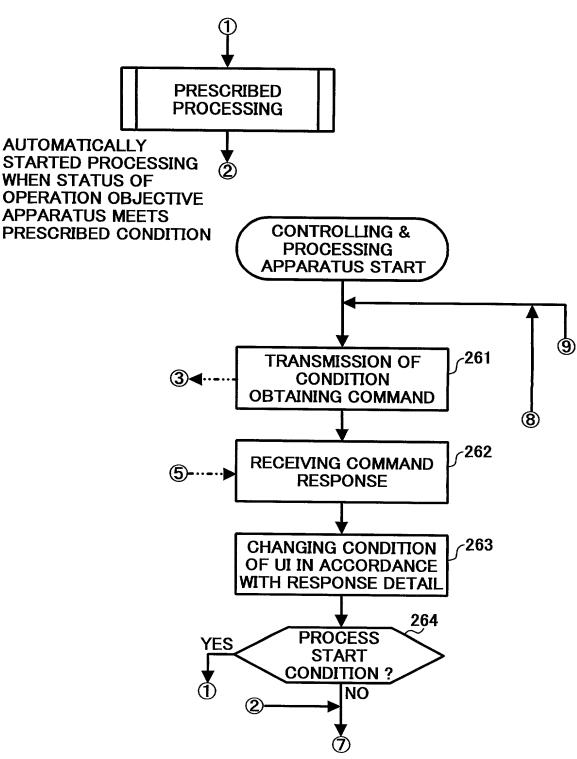
OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET\_79\_OF\_87\_

FIG. 60A



OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET <u>80</u> OF <u>87</u>

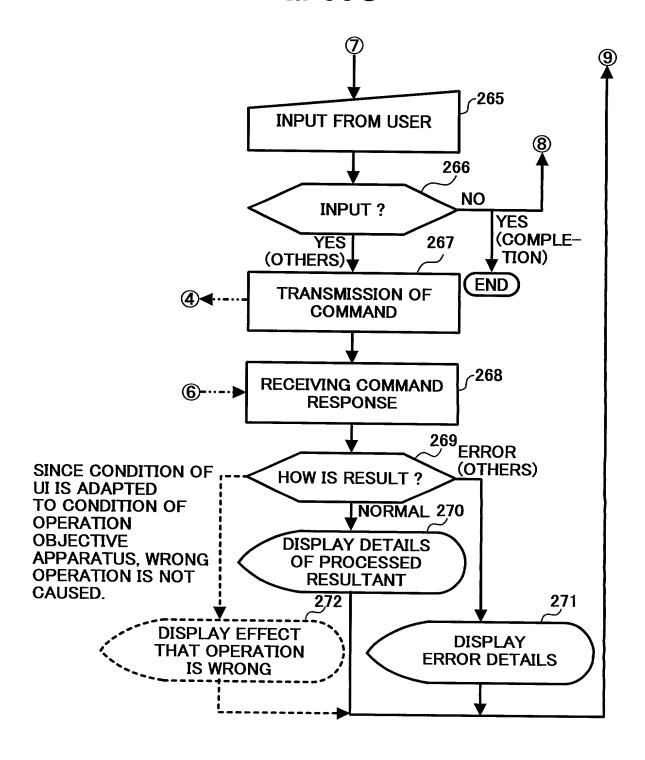
FIG. 60B



OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al.

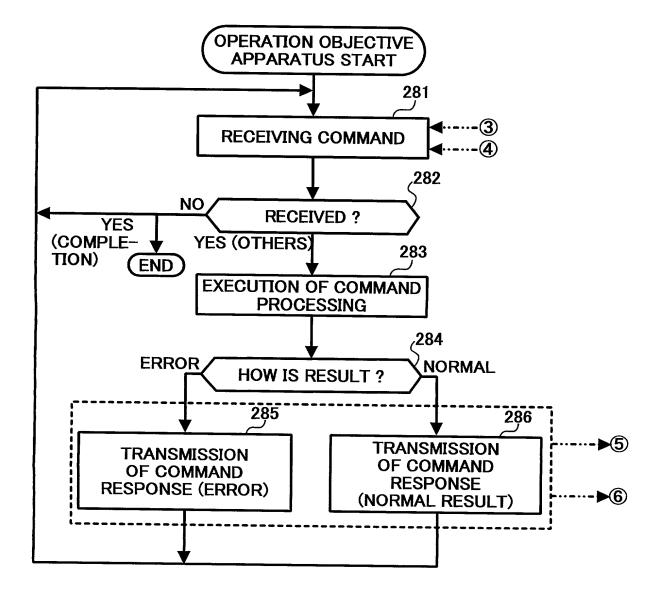
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**FIG. 60C** 



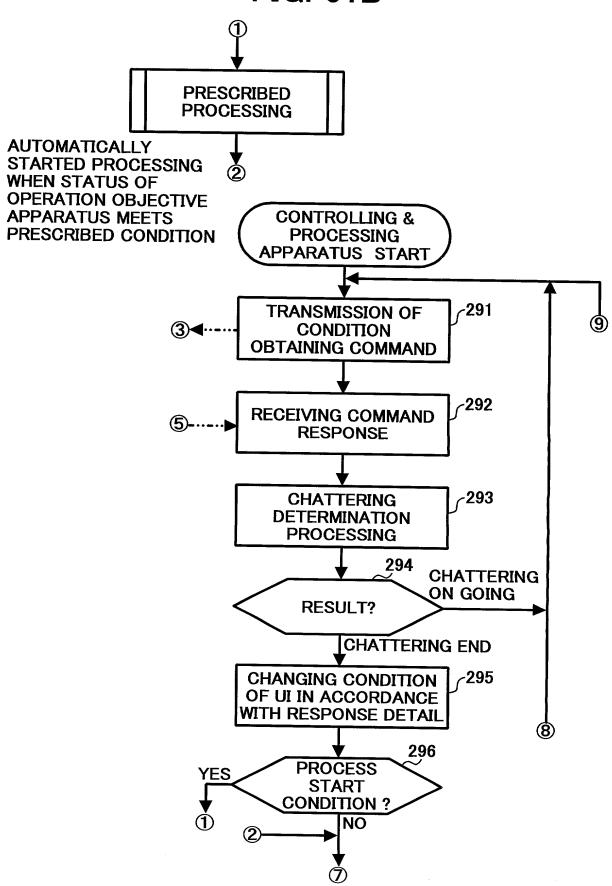
OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET <u>82</u> OF<u>87</u>

**FIG. 61A** 



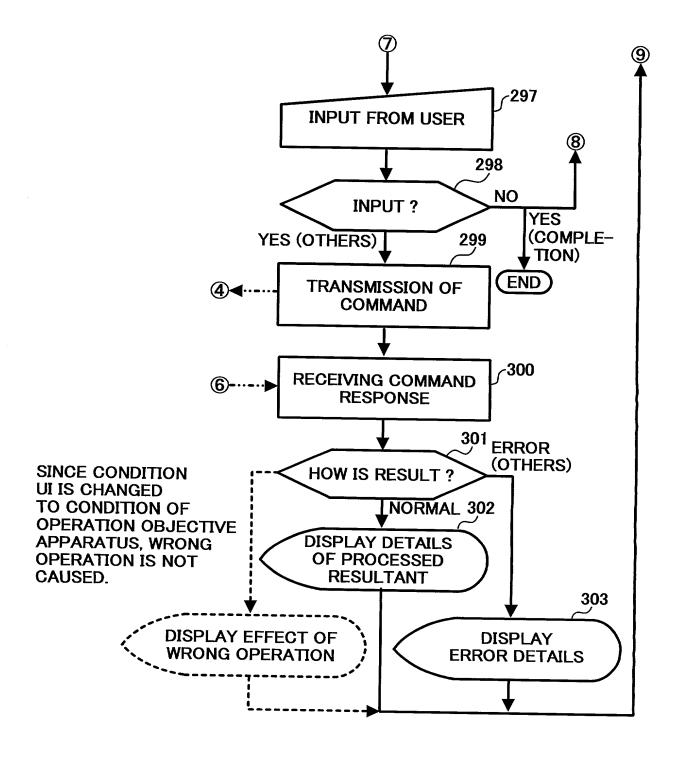
OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET\_83\_OF\_87\_

**FIG. 61B** 



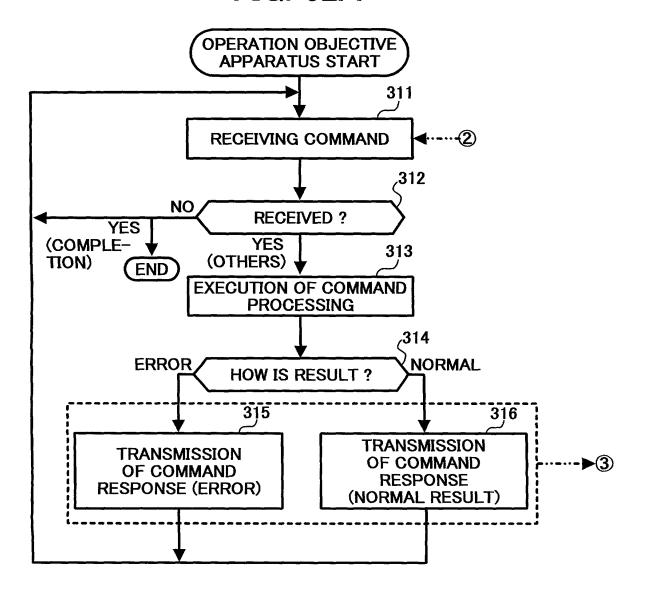
OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET \_84\_ OF\_87\_

FIG. 61C



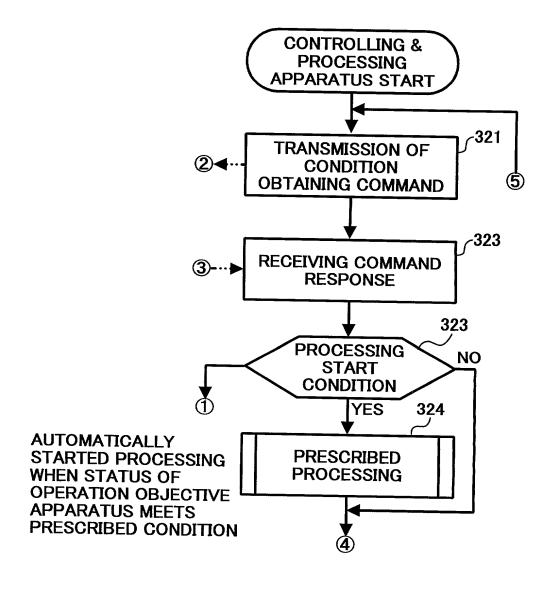
OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET \_85\_ OF.87\_

**FIG. 62A** 



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FIG. 62B



OBLON, SPIVAK, ET AL DOCKET #: 217205US2 INV: Akio WATANABE, et al. SHEET \_87\_ OF\_87\_

FIG. 62C

